

§ 121.56

Engineering Regulations'' (46 CFR, Subchapter F).

§ 121.56 Tests and inspections of boilers and main steam pipes in service.

All tests and inspections of boilers and main steam pipes in service shall conform to the standards of the U.S. Coast Guard "Marine Engineering Regulations" (46 CFR, Subchapter F).

§ 121.57 Inspection of mountings and attachments.

All valves on boilers shall be opened up every 4 years at the time of annual inspection or the next regular drydocking period thereafter. All valves shall be removed from the boiler at least once every 8 years to determine the condition of the stud bolts connecting the valves to the boiler. These examinations may be made at intermediate periods if there is any evidence to indicate that defects have started or excessive corrosion exists.

§ 121.58 Safety valves.

(a) At the annual inspection of each boiler, the marine safety inspector shall check the setting of each boiler safety valve and make any adjustments that may be necessary to keep the boiler within the maximum allowable pressure. After adjusting the boiler safety valves, the marine safety inspector shall seal each safety valve separately with the official seal of the Marine Safety Unit.

(b) Each chief engineer, upon taking charge of the power plant of a vessel, shall examine all safety valves and if any seals are broken, or there is any evidence that valves have been tampered with, he shall report same in writing to the Marine Safety Unit. If at any time it is necessary to break the seal on a safety valve for any purpose, the chief engineer shall advise the Marine Safety Unit in writing, giving the reason for breaking the seal and requesting the valve be examined, adjusted, and resealed.

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§ 121.59 Fusible plugs.

The inspector shall examine fusible plugs when inspecting the boilers. The number of such plugs inserted in each

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boiler, the manufacturer's name, and the heat number shall be included in the boiler inspection report.

§ 121.60 Water columns, test cocks, and water gages.

Water columns, test cocks, and water gages shall be carefully examined, tested and checked by the inspector at each inspection.

§ 121.61 Steam gages.

All steam gages connected to boilers or main steam lines shall be carefully checked for accuracy at each inspection.

§ 121.62 Safety valves or relief valves on reduced pressure lines, evaporators, etc.

Inspectors shall give the same attention and inspection to safety valves or relief valves installed on reduced pressure lines, evaporators, superheaters, feed water heaters, etc., as to the safety valves installed on the main boilers. The setting of such valves shall be carefully checked at each inspection and adjusted if necessary.

§ 121.63 Guards in dangerous places.

Inspectors shall examine all places where there is a possibility of a person being caught in machinery to see that they are provided with substantial guards over such mechanisms as gearings and couplings, flywheels or generators, refrigerating machinery, etc.

§ 121.64 Unfired pressure vessels.

(a) Unfired pressure vessels in service which are fitted with manholes or other inspection openings so that they can be satisfactorily examined internally, shall be opened biennially and thoroughly examined internally and externally.

(b) Unfired pressure vessels which have neither manholes nor inspection openings and cannot be satisfactorily examined shall be tested biennially to a hydrostatic test of one and one-fourth times the maximum allowable working pressure.

(c) Unfired pressure vessels shall be protected by a relief valve set to relieve at a pressure not exceeding that for which the vessel is designed, and of